PORTAL

Subscribe (Full Service)   Register (Limited Service, Free)   Login

Search: ⦿ The ACM Digital Library   ○ The Guide

combining two images photosensitive   **SEARCH**

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **combining** two **images photosensitive**   Found **72,842** of **147,060**

Sort results by	publication date ▾	❖ Save results to a Binder	Try an Advanced Search
Display results	expanded form ▾	⏷ Search Tips	Try this search in The ACM Guide
		☐ Open results in a new window	

Results 101 - 120 of 200   Result page: previous   1   2   3   4   5   **6**   7   8   9   10   next
Best 200 shown   Relevance scale ☐ ▃ ▆ ■ ■

101 The escher document imaging model
S. N. Zilles, P. Lucas, T. M. Linden, J. B. Lotspiech, A. R. Harbury
January 2000 **Proceedings of the ACM conference on Document processing systems**

Full text available: 📄 pdf(780.02 KB)   Additional Information: full citation, references, citings, index terms

102 Weasel: a computer based system for providing non-visual access to music notation
B. P. Challis, A. D. N. Edwards
January 2000 **ACM SIGCAPH Computers and the Physically Handicapped**, Issue 66

Full text available: 📄 pdf(877.59 KB)   Additional Information: full citation, abstract, references

Although we constantly rely on touch and sound on a daily basis, product designers rarely monopolise the potential for auditory and, in particular, tactile feedback. This is particularly true within computer interface design where there is still a trend to work with highly graphical interfaces using only a mouse and a keyboard for input. This kind of kind of reliance on visual interaction actively prevents blind people from using many common computer applications. At the University of York we ha ...

103 Spatial match representation scheme supporting ranking in iconic images databases
Yeon-Jung Kim, Choon-Bo Sim, Jae-Woo Chang
November 1999 **Proceedings of the eighth international conference on Information and knowledge management**

Full text available: 📄 pdf(950.45 KB)   Additional Information: full citation, abstract, references, index terms

Because content-based image retrieval is essential to retrieve relevant multimedia documents, we represent images as a set of recognizable symbols, i.e., icon objects, and do indexing by regarding the icon object as a representative of a given document. When users request content-based image retrieval, we convert a query image into icon objects and retrieve relevant images in the database. In this paper, we propose a new spatial-match representation scheme, called SRR(Spatial-match Represen ...

Keywords: iconic image database, spatial match representation

104 Architecture of a networked image search and retrieval system
R. Weber, J. Bollinger, T. Gross, H.-J. Schek
November 1999 **Proceedings of the eighth international conference on Information and knowledge management**

Full text available: 📄 pdf(1.67 MB)   Additional Information: full citation, abstract, references, index terms

Large scale networked image retrieval systems face a number of problems that are not

fully satisfied by current systems. On one hand, integrated solutions that store all image data centrally are often limited in terms of scalability and autonomy of data providers. On the other hand, WWW-based search engines proved to be fairly scalable, and data providers retain their autonomy. However, such engines often confront users with links to servers that are not available or to images that no longe ...

105 Image graphs—a novel approach to visual data exploration

Kwan-Liu Ma

October 1999 **Proceedings of the conference on Visualization '99: celebrating ten years**

Full text available: pdf(561.83 KB)   Additional Information: full citation, abstract, references, citings, index terms

For types of data visualization where the cost of producing images is high, and the relationship between the rendering parameters and the image produced is less than obvious, a visual representation of the exploration process can make the process more efficient and effective. Image graphs represent not only the results but also the process of data visualization. Each node in an image graph consists of an image and the corresponding visualization parameters used to produce it. Each edge in a ...

Keywords: knowledge representation, scientific visualization, visualization systems, volume rendering

106 Query processing techniques for arrays

Arunprasad P. Marathe, Kenneth Salem

June 1999 **ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data**, Volume 28 Issue 2

Full text available: pdf(1.44 MB)   Additional Information: full citation, abstract, references, index terms

Arrays are an appropriate data model for images, gridded output from computational models, and other types of data. This paper describes an approach to array query processing. Queries are expressed in AML, a logical algebra that is easily extended with user-defined functions to support a wide variety of array operations. For example, compression, filtering, and algebraic operations on images can be described. We show how AML expressions involving such operations can be treated declaratively ...

107 Subwavelength lithography and its potential impact on design and EDA

Andrew B. Kahng, Y. C. Pati

June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**

Full text available: pdf(188.93 KB)   Additional Information: full citation, references, citings, index terms

108 Performance of image and video processing with general-purpose processors and media ISA extensions

Parthasarathy Ranganathan, Sarita Adve, Norman P. Jouppi

May 1999 **ACM SIGARCH Computer Architecture News , Proceedings of the 26th annual international symposium on Computer architecture**, Volume 27 Issue 2

Full text available: pdf(141.14 KB)   Additional Information: full citation, abstract, references, citings, index terms
Publisher Site

This paper aims to provide a quantitative understanding of the performance of image and video processing applications on general-purpose processors, without and with media ISA extensions. We use detailed simulation of 12 benchmarks to study the effectiveness of current architectural features and identify future challenges for these workloads.Our results show that conventional techniques in current processors to enhance instruction-level parallelism (ILP) provide a factor of 2.3X to 4.2X performa ...

109 Subwavelength optical lithography: challenges and impact on physical design

A. B. Kahng, Y. C. Pati
April 1999 **Proceedings of the 1999 international symposium on Physical design**

Full text available: pdf(1.30 MB)   Additional Information: full citation, references, citings, index terms

110 A robust framework for content-based retrieval by spatial similarity in image databases
Essam A. El-Kwae, Mansur R. Kabuka
April 1999 **ACM Transactions on Information Systems (TOIS)**, Volume 17 Issue 2

Full text available: pdf(274.25 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

A framework for retrieving images by spatial similarity (FRISS) in ima ge databases is presented. In this framework, a robust retrieval by spatial similarity (RSS) algorithm is defined as one that incorporates both directional and topological spatial constraints, retrieves similar images, and recognized images even after they undergo translation, scaling, rotation (both perfect and multiple), or any arbitrary combination of transformatioins. The FRISS framework is discussed and used as a ba ...

Keywords: content-based retrieval, image databases, multimedia databases, query formulation, retrieval models, similarity retrieval, spatial similarity

111 Personal imaging and lookpainting as tools for personal documentary and investigative photojournalism
Steve Mann
March 1999 **Mobile Networks and Applications**, Volume 4 Issue 1

Full text available: pdf(2.24 MB)   Additional Information: full citation, abstract, references, citings, index terms

A means and apparatus for covert capture of extremely high-resolution photorealistic images is presented. The apparatus embodies a new form of user-interface − instead of the traditional "point and click" metaphor which was thought to be the simplest photography had to offer, what is proposed is a "look" metaphor in which images are generated through the natural process of looking around, in a manner that does not require conscious thought or effort. These &ldq ...

112 Two methods for display of high contrast images
Jack Tumblin, Jessica K. Hodgins, Brian K. Guenter
January 1999 **ACM Transactions on Graphics (TOG)**, Volume 18 Issue 1

Full text available: pdf(10.28 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

High contrast images are common in night scenes and other scenes that include dark shadows and bright light sources. These scenes are difficult to display because their contrasts greatly exceed the range of most display devices for images. As a result, the image constrasts are compressed or truncated, obscuring subtle textures and details. Humans view and understand high contrast scenes easily, "adapting" their visual response to avoid compression or truncation with no apparent ...

Keywords: adaptation, tone reproduction, visual appearance

113 Integrating symbolic images into a multimedia database system using classification and abstraction approaches
Aya Soffer, Hanan Samet
December 1998 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 4

Full text available: Additional Information:

pdf(227.30 KB)   full citation, abstract, index terms

Symbolic images are composed of a finite set of symbols that have a semantic meaning. Examples of symbolic images include maps (where the semantic meaning of the symbols is given in the legend), engineering drawings, and floor plans. Two approaches for supporting queries on symbolic-image databases that are based on image content are studied. The classification approach preprocesses all symbolic images and attaches a semantic classification and an associated certainty factor to each object that ...

Keywords: Image indexing, Multimedia databases, Query optimization, Retrieval by content, Spatial databases, Symbolic-image databases

114 Every picture tells a story: learning to look at space scientific data images
George Tuthill, Stephanie Stevenson
November 1998 **Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)**
Full text available: html(20.67 KB)   Additional Information: full citation, abstract, references

Understanding scientific image data requires us to connect two-dimensional images to three-dimensional reality. Our knowledge of space science changes as our skill for seeing what is in the night sky increases. With eyes as their only tools, early people surveyed the skies, telling stories to explain what they observed. For centuries humankind studied the sky adding new perceptions to the old. The advent of telescopes provided even better means of observation. This clearer sight contributed to a ...

Keywords: K-12, NASA, astronomy, national science standards, scientific image data, visualization

115 A new image morphing technique for smooth vista transitions in panoramic image-based virtual environment
Cheng-Chin Chiang, Der-Lor Way, Jun-Wei Shieh, Li-Sheng Shen
November 1998 **Proceedings of the ACM symposium on Virtual reality software and technology**
Full text available: pdf(2.21 MB)   Additional Information: full citation, references, index terms

Keywords: epipolar geometry, morphing, panoramic image-based VR

116 Two-handed virtual manipulation
Ken Hinckley, Randy Pausch, Dennis Proffitt, Neal F. Kassell
September 1998 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 5 Issue 3
Full text available: pdf(1.32 MB)   Additional Information: full citation, abstract, references, citings, index terms

We discuss a two-handed user interface designed to support three-dimesional neurosurgical visualization. By itself, this system is a "point design," an example of an advanced user interface technique. In this work, we argue that in order to understand why interaction techniques do or do not work, and to suggest possibilities for new techniques, it is important to move beyond point design and to introduce careful scientific measurement of human behavioral principles. In particula ...

Keywords: bimanual asymmetry, haptic input, input devices, three-dimensional interaction, two-handed interaction, virtual manipulation

117
Making contact points between text and images

Pete Faraday, Alistair Sutcliffe
September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Full text available: pdf(903.14 KB)   Additional Information: full citation, references, citings, index terms

Keywords: guidelines, web page design

118 Object-oriented retrieval mechanism for semistructured image collections
Guang-Ho Cha, Chin-Wan Chung
September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Full text available: pdf(1.04 MB)   Additional Information: full citation, references, citings, index terms

Keywords: content-based retrieval, image indexing, multimedia database, object-oriented model

119 Layered depth images
Jonathan Shade, Steven Gortler, Li-wei He, Richard Szeliski
July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(584.98 KB)   Additional Information: full citation, references, citings, index terms

120 A multiscale model of adaptation and spatial vision for realistic image display
Sumanta N. Pattanaik, James A. Ferwerda, Mark D. Fairchild, Donald P. Greenberg
July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(1.59 MB)   Additional Information: full citation, references, citings, index terms

Keywords: adaptation, realistic imaging, spatial vision, tone reproduction, visual perception

Results 101 - 120 of 200   Result page: previous   1   2   3   4   5   **6**   7   8   9   10   next

P⊘RTAL

US Patent & Trademark Office

Search: ⊙ The ACM Digital Library   ○ The Guide

combining two images photosensitive   [SEARCH]

THE ACM DIGITAL LIBRARY

⬦ Feedback Report a problem Satisfaction survey

Terms used **combining two images photosensitive**   Found **72,842** of **147,060**

Sort results by   [publication date ▼]   ◆ Save results to a Binder   Try an Advanced Search
Display results   [expanded form ▼]   ? Search Tips   Try this search in The ACM Guide
                                                ☐ Open results in a new window

Results 121 - 140 of 200   Result page: previous 1 2 3 4 5 6 **7** 8 9 10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ▬ ■

121 The office of the future: a unified approach to image-based modeling and spatially immersive displays   ▬
Ramesh Raskar, Greg Welch, Matt Cutts, Adam Lake, Lev Stesin, Henry Fuchs
July 1998   **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**
Full text available: 📄 pdf(2.00 MB)   Additional Information: full citation, references, citings, index terms

Keywords: autocalibration, calibration, depth, display, image-based modeling, image-based rendering, intensity blending, projection, range, reflectance, spatially immersive display, virtual environments

122 Reproducing color images using custom inks   ▬
Eric J. Stollnitz, Victor Ostromoukhov, David H. Salesin
July 1998   **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**
Full text available: 📄 pdf(217.32 KB)   Additional Information: full citation, references, citings, index terms

Keywords: Kubelka-Munk model, Neugebauer model, color printing, color reproduction, gamut mapping, ink selection, separations

123 Fast calculation of soft shadow textures using convolution   ▬
Cyril Soler, François X. Sillion
July 1998   **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**
Full text available: 📄 pdf(709.44 KB)   Additional Information: full citation, references, citings, index terms

Keywords: convolution, error-driven illumination, shadow map, soft shadows, texture

124 Improved algorithms for robust point pattern matching and applications to image registration   ▬
David M. Mount, Nathan S. Netanyahu, Jacqueline Le Moigne
June 1998 **Proceedings of the fourteenth annual symposium on Computational geometry**

Full text available: pdf(1.50 MB)   Additional Information: full citation, references, citings, index terms

125 MPEG-4: an object-based multimedia coding standard supporting mobile applications
Atul Puri, Alexandros Eleftheriadis
June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1

Full text available: pdf(747.80 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes at very low bit-rates; however, in July 1994, its scope was expanded to include coding of scenes as a collection of individual audio-visual objects and enabling a range of advanced functionalities not supported by other standards. One of the ke ...

126 Visualizing information spaces: Intelligent visualization and dynamic manipulation: two complementary instruments to support data exploration with GIS
Gennady L. Andrienko, Natalia V. Andrienko
May 1998 **Proceedings of the working conference on Advanced visual interfaces**

Full text available: pdf(1.68 MB)   Additional Information: full citation, abstract, references

To analyze spatially referenced data, i.e. data referring to geographical objects or locations, one should present them on a map. IRIS is a software system that supports exploration of such data by providing two main services: 1) automated generation of maps and 2) interactive facilities to dynamically manipulate the maps. Automated mapping is enabled by incorporation of generic knowledge on map design. This prevents errors in map design resulting in useless or even misleading presentations. It ...

Keywords: data exploration, dynamic manipulation, geographical information systems, visual interaction, visualization

127 Fuzzy queries in multimedia database systems
Ronald Fagin
May 1998 **Proceedings of the seventeenth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**

Full text available: pdf(1.42 MB)   Additional Information: full citation, references, citings, index terms

128 Evaluation of an algorithm for finding a match of a distorted texture pattern in a large image database
N. Vujovic, D. Brzakovic
January 1998 **ACM Transactions on Information Systems (TOIS)**, Volume 16 Issue 1

Full text available: pdf(499.06 KB)   Additional Information: full citation, abstract, references, index terms

Evaluation of an algorithm for finding a match for a random texture pattern in a large image database is presented. The algorithm was designed assuming that the random pattern may be subject to misregistration relative to its representation in the database and assuming that it may have missing parts. The potential applications involve authentication of legal documents, bank notes, or credit cards, where thin fibers are embedded randomly into the document medium during medium fabrication. Th ...

Keywords: image database, image matching, misregistration, presentation of information, random pattern

129 Browsing and placement of multiresolution images on parallel disks

Sunil Prabhakar, Divyakant Agrawal, Amr El Abbadi, Ambuj Singh, Terrence Smith
November 1997 **Proceedings of the fifth workshop on I/O in parallel and distributed systems**

Full text available: pdf(1.65 MB)   Additional Information: full citation, references, index terms

130 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

131 Combining supervised learning with color correlograms for content-based image retrieval
Jing Huang, S. Ravi Kumar, Mandar Mitra
November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Full text available: pdf(1.42 MB)   Additional Information: full citation, references, citings, index terms

132 ProbView: a flexible probabilistic database system
Laks V. S. Lakshmanan, Nicola Leone, Robert Ross, V. S. Subrahmanian
September 1997 **ACM Transactions on Database Systems (TODS)**, Volume 22 Issue 3

Full text available: pdf(1.92 MB)   Additional Information: full citation, abstract, references, citings, index terms

Probability theory is mathematically the best understood paradigm for modeling and manipulating uncertain information. Probabilities of complex events can be computed from those of basic events on which they depend, using any of a number of strategies. Which strategy is appropriate depends very much on the known interdependencies among the events involved. Previous work on probabilistic databases has assumed a fixed and restrictivecombination strategy (e ...

Keywords: probabilistic databases, view maintenance

133 Image-based view synthesis by combining trilinear tensors and learning techniques
S. Avidan, T. Evgeniou, A. Shashua, T. Poggio
September 1997 **Proceedings of the ACM symposium on Virtual reality software and technology**

Full text available: pdf(1.03 MB)   Additional Information: full citation, references, index terms

134 The two-user Responsive Workbench: support for collaboration through individual views of a shared space
Maneesh Agrawala, Andrew C. Beers, Ian McDowall, Bernd Fröhlich, Mark Bolas, Pat Hanrahan
August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(656.54 KB)   Additional Information: full citation, references, citings, index terms

Keywords: Responsive Workbench, virtual environments

135 A framework for realistic image synthesis

Donald P. Greenberg, Kenneth E. Torrance, Peter Shirley, James Arvo, Eric Lafortune, James A. Ferwerda, Bruce Walter, Ben Trumbore, Sumanta Pattanaik, Sing-Choong Foo

August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(28.94 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: light reflection, perception, realistic image synthesis

136 A model for simulating the photographic development process on digital images

Joe Geigel, F. Kenton Musgrave

August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(1.22 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: digital effects, photography, post-processing, simulation, tone reproduction

137 Image retrieval by hypertext links

V. Harmandas, M. Sanderson, M. D. Dunlop

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval**, Volume 31 Issue SI

Full text available: pdf(1.09 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

138 Image retrieval by appearance

S. Ravela, R. Manmatha

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval**, Volume 31 Issue SI

Full text available: pdf(1.47 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

139 Using semantic contents and WordNet in image retrieval

Y. Alp Aslandogan, Chuck Thier, Clement T. Yu, Jon Zou, Naphtali Rishe

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval**, Volume 31 Issue SI

Full text available: pdf(1.62 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

140 Navigating static environments using image-space simplification and morphing

Lucia Darsa, Bruno Costa Silva, Amitabh Varshney

April 1997 **Proceedings of the 1997 symposium on Interactive 3D graphics**

Full text available: pdf(1.30 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Useful downloads: Adobe Acrobat   QuickTime   Windows Media Player   Real Player

PORTAL

US Patent & Trademark Office

Search: ⦿ The ACM Digital Library   ○ The Guide

combining two images photosensitive   SEARCH

THE ACM DIGITAL LIBRARY

ᵒᶜ Feedback Report a problem Satisfaction survey

Terms used **combining** **two** **images** **photosensitive**   Found **72,842** of **147,060**

Sort results by   publication date ▾   🕮 Save results to a Binder   Try an Advanced Search
                                            ❓ Search Tips   Try this search in The ACM Guide
Display results   expanded form ▾   ☐ Open results in a new window

Results 141 - 160 of 200   Result page: previous 1 2 3 4 5 6 7 **8** 9 10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ▰ ■

141 "Smart clothing": wearable multimedia computing and "personal imaging" to restore the technological balance between people and their environments
Steve Mann
February 1997 **Proceedings of the fourth ACM international conference on Multimedia**

Full text available: 📄 pdf(2.18 MB)   Additional Information: full citation, references, citings, index terms

Keywords: augmented reality, mediated reality, mobile multimedia, pencigraphic image compositing, personal imaging, smart spaces, ubiquitous computing, video orbits, video surveillance, wearable computing

142 IRIS - a system for image and video retrieval
P. Alshuth, Th. Hermes, Ch. Klauck, J. Kreyß, M. Röper
November 1996 **Proceedings of the 1996 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: 📄 pdf(248.68 KB)   Additional Information: full citation, abstract, references, citings, index terms

The abundance of available multimedia information (e.g.videos, audio, images) requires efficient and effective annotation and retrieval methods. The IRIS system is designed for content-based retrieval of single images. Techniques and methods from computer vision and AI are combined in a new way within IRIS. The system has been tested with single images on several domains (e.g. landscape images, technical drawings) covering a wide range of applications As videos become a more important role in th ...

143 Modeling and rendering architecture from photographs: a hybrid geometry- and image-based approach
Paul E. Debevec, Camillo J. Taylor, Jitendra Malik
August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Full text available: 📄 pdf(251.64 KB)   Additional Information: full citation, references, citings, index terms

144 Image-guided streamline placement
Greg Turk, David Banks
August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Full text available: 📄 pdf(511.62 KB)   Additional Information: full citation, references, citings, index terms

Keywords: flow visualization, random descent, random optimization, streamline, vector field visualization

145 Combining frequency and spatial domain information for fast interactive image noise removal

Anil N. Hirani, Takashi Totsuka

August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(515.09 KB)   Additional Information: full citation, references, citings, index terms

Keywords: POCS, projections into convex sets, scratch and wire removal

146 Reproducing color images as duotones

Joanna L. Power, Brad S. West, Eric J. Stollnitz, David H. Salesin

August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(2.74 MB)   Additional Information: full citation, references, citings, index terms

Keywords: Neugebauer model, color printing, color reproduction, duotone, gamut mapping

147 A volumetric method for building complex models from range images

Brian Curless, Marc Levoy

August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(755.30 KB)   Additional Information: full citation, references, citings, index terms

Keywords: isosurface extraction, range image integration, surface fitting, three-dimensional shape recovery

148 Natural-language retrieval of images based on descriptive captions

Eugene J. Guglielmo, Neil C. Rowe

July 1996 **ACM Transactions on Information Systems (TOIS)**, Volume 14 Issue 3

Full text available: pdf(572.05 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

We describe a prototype intelligent information retrieval system that uses natural-language understanding to efficiently locate captioned data. Multimedia data generally require captions to explain their features and significance. Such descriptive captions often rely on long nominal compounds (strings of consecutive nouns) which create problems of disambiguating word sence. In our system, captions and user queries are parsed and interpreted to produce a logical form using a detailed theory ...

Keywords: captions, multimedia database, type hierarchy

149 Combining fuzzy information from multiple systems (extended abstract)

Ronald Fagin

June 1996 **Proceedings of the fifteenth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**

Full text available: pdf(1.30 MB)   Additional Information: full citation, references, citings, index terms

150 Pictorial interfaces: Image query by semantical color content

J. M. Corridoni, A. Del Bimbo, S. De Magistris

May 1996 **Proceedings of the workshop on Advanced visual interfaces**

Full text available: pdf(2.25 MB)   Additional Information: full citation, abstract, references

The availability of large image databases is emphasizing the relevance of filters, which permit to focus the interest on a small subset of data. Taking advantage of the pictorial features of images, visual specification of such filters provides a powerful and natural way to express content-oriented queries. Albeit direct, the by example paradigm, does not allow to express high-level assertions on the pictorial content of images and specifically, paintings. To support the visuality, without losin ...

151 Content-based image retrieval

Th. Hermes, Ch. Klauck, J. Kreyß, J. Zhang

November 1995 **Proceedings of the 1995 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(337.67 KB)   Additional Information: full citation, abstract, references, index terms

In order to retrieve images it is much more sophisticated and usual for human beings to use natural language concepts, e.g. *mountainlake,* than syntactical features, e.g. *red region left up*. This leads to a content-based image retrieval. Furthermore, it is unreasonable for any human being to make the content description for 1000 of images manually.From this point of view, the project IRIS[1] (Image Retrieval for Information Systems) combines well-known methods and technique ...

152 Fast multiresolution image querying

Charles E. Jacobs, Adam Finkelstein, David H. Salesin

September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(529.14 KB)
ps(211.52 KB)   Additional Information: full citation, references, citings, index terms

Keywords: content-based retrieval, image databases, image indexing, image metrics, query by content, query by example, similarity retrieval, sketch retrieval, wavelets

153 Plenoptic modeling: an image-based rendering system

Leonard McMillan, Gary Bishop

September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(347.37 KB)
ps(3.98 MB)   Additional Information: full citation, references, citings, index terms

154 Optimally combining sampling techniques for Monte Carlo rendering

Eric Veach, Leonidas J. Guibas

September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(509.78 KB)
ps(2.21 MB)   Additional Information: full citation, references, citings, index terms

Keywords: Monte Carlo, distribution ray tracing, global illumination, lighting simulation, rendering, variance reduction

155 Rendering interactive holographic images
Mark Lucente, Tinsley A. Galyean
September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**
Full text available: pdf(125.75 KB)
ps(1.02 MB)   Additional Information: full citation, references, index terms

156 Intelligent scissors for image composition
Eric N. Mortensen, William A. Barrett
September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**
Full text available: pdf(363.56 KB)
ps(4.92 MB)   Additional Information: full citation, references, citings, index terms

157 Pen computing: a technology overview and a vision
André Meyer
July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3
Full text available: pdf(5.14 MB)   Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

158 Fuzzy logic based non-parametric color image segmentation with optional block processing
Naoko Ito, Yoshihisa Shimazu, Teruo Yokoyama, Yutaka Matushita
February 1995 **Proceedings of the 1995 ACM 23rd annual conference on Computer science**
Full text available: pdf(920.20 KB)   Additional Information: full citation, references, citings, index terms

159 Fuzzy distances and image processing
Isabelle Bloch, Henri Maitre
February 1995 **Proceedings of the 1995 ACM symposium on Applied computing**
Full text available: pdf(577.63 KB)   Additional Information: full citation, references, index terms

Keywords: fuzzy distances, fuzzy sets, image processing

160 An integrated color-spatial approach to content-based image retrieval
Wynne Hsu, S. T. Chua, H. H. Pung
January 1995 **Proceedings of the third ACM international conference on Multimedia**
Full text available: htm(38.02 KB)   Additional Information: full citation, references, citings, index terms

Keywords: color retrieval, content-based retrieval, image segmentation, spatial retrieval

Results 141 - 160 of 200   Result page: previous   1   2   3   4   5   6   7   **8**   9   10   next

Useful downloads: Adobe Acrobat   QuickTime   Windows Media Player   Real Player

PORTAL

acm

US Patent & Trademark Office

Search: ⦿ The ACM Digital Library   ○ The Guide

combining two images photosensitive   **SEARCH**

THE ACM DIGITAL LIBRARY

ℹ️ Feedback Report a problem Satisfaction survey

Terms used **combining** two **images** **photosensitive**   Found **72,842** of **147,060**

Sort results by   [publication date ▼]   🔖 Save results to a Binder   Try an Advanced Search
                                            ❓ Search Tips   Try this search in The ACM Guide
Display results   [expanded form ▼]   ☐ Open results in a new window

Results 161 - 180 of 200   Result page: previous   1   2   3   4   5   6   7   8   **9**   10   next
Best 200 shown   Relevance scale ☐ ▬ ▬ ▬ ■

161 Reaching for objects in VR displays: lag and frame rate   ▬
Colin Ware, Ravin Balakrishnan
December 1994 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 1 Issue 4

Full text available: 📄 pdf(1.54 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

This article reports the results from three experimental studies of reaching behavior in a head-coupled stereo display system with a hand-tracking subsystem for object selection. It is found that lag in the head-tracking system is relatively unimportant in predicting performance, whereas lag in the hand-tracking system is critical. The effect of hand lag can be modeled by means of a variation on Fitts' Law with the measured system lag introduced as a multiplicative variable to the Fitts' La ...

Keywords: Fitts' Law, Haptics, virtual reality

162 The Personal Presence System—hardware architecture   ▬
M. Lukacs
October 1994 **Proceedings of the second ACM international conference on Multimedia**

Full text available: 📄 pdf(957.84 KB)   Additional Information: full citation, abstract, references, citings, index terms

The Personal Presence System (PPS) experimental prototype is being designed to support multiparty multimedia visual services which use advanced video combining techniques. This paper is a companion to another paper in this proceedings: "The Personal Presence System—A Wide Area Network Service Resource for the Real Time Composition of Multipoint Multimedia Communications" which contains a detailed service description.This paper describes the architecture of the A ...

163 Special issue on spatial database systems: Qualitative representation of spatial   ▬
knowledge in two-dimensional space
Dimitris Papadias, Timos Sellis
October 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 4
Full text available: 📄 pdf(2.09 MB)   Additional Information: full citation, abstract, references, citings

Various relation-based systems, concerned with the qualitative representation and processing of spatial knowledge, have been developed in numerous application domains. In this article, we identify the common concepts underlying qualitative spatial knowledge representation, we compare the representational properties of the different systems, and we outline the computational tasks involved in relation-based spatial information processing. We also describe *symbolic spatial indexes,* relation- ...

Keywords: qualitative spatial information processing, representation of direction and topological relations, spatial data models, spatial query languages

164 Zippered polygon meshes from range images

Greg Turk, Marc Levoy

July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**

Full text available: pdf(62.55 KB)   Additional Information: full citation, abstract, references, citings, index
ps(259.20 KB)   terms

Range imaging offers an inexpensive and accurate means for digitizing the shape of three-dimensional objects. Because most objects self occlude, no single range image suffices to describe the entire object. We present a method for combining a collection of range images into a single polygonal mesh that completely describes an object to the extent that it is visible from the outside.The steps in our method are: 1) align the meshes with each other using a modified iterated closest- ...

Keywords: polygon mesh, range images, structured light range scanner, surface fitting, surface reconstruction

165 Evolving virtual creatures

Karl Sims

July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**

Full text available: pdf(84.65 KB)   Additional Information: full citation, abstract, references, citings, index
ps(219.40 KB)   terms

This paper describes a novel system for creating virtual creatures that move and behave in simulated three-dimensional physical worlds. The morphologies of creatures and the neural systems for controlling their muscle forces are both generated automatically using genetic algorithms. Different fitness evaluation functions are used to direct simulated evolutions towards specific behaviors such as swimming, walking, jumping, and following.A genetic language is presented that uses no ...

166 Fuzzy sets in image processing

Isabelle Bloch

April 1994 **Proceedings of the 1994 ACM symposium on Applied computing**

Full text available: pdf(896.05 KB)   Additional Information: full citation, references, citings, index terms

Keywords: data fusion, decision, fuzzy clustering, fuzzy mathematicl morphology, fuzzy sets, image processing, multimodality medical imaging

167 Combining hierarchical radiosity and discontinuity meshing

Dani Lischinski, Filippo Tampieri, Donald P. Greenberg

September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(543.28 KB)   Additional Information: full citation, references, citings, index terms

Keywords: Mach bands, diffuse reflector, discontinuity meshing, global illumination, hierarchical radiosity, photorealism, quadratic interpolation, radiance function, radiosity, reconstruction, shadows, view-independence

168 Model-based object recognition in dense-range images—a review
Farshid Arman, J. K. Aggarwal
March 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 1

Full text available: pdf(3.42 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The goal in computer vision systems is to analyze data collected from the environment and derive an interpretation to complete a specified task. Vision system tasks may be divided into data acquisition, low-level processing, representation, model construction, and matching subtasks. This paper presents a comprehensive survey of model-based vision systems using dense-range images. A comprehensive survey of the recent publications in each subtask pertaining to dense-range image object recogni ...

Keywords: 3D object recognition, 3D representations, CAD-based vision, dense-range images, image understanding

169 A survey of image registration techniques
Lisa Gottesfeld Brown
December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Full text available: pdf(5.20 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Registration is a fundamental task in image processing used to match two or more pictures taken, for example, at different times, from different sensors, or from different viewpoints. Virtually all large systems which evaluate images require the registration of images, or a closely related operation, as an intermediate step. Specific examples of systems where image registration is a significant component include matching a target with a real-time image of a scene for target recognition, mon ...

Keywords: image registration, image warping, rectification, template matching

170 Modeling pigmented materials for realistic image synthesis
Chet S. Haase, Gary W. Meyer
October 1992 **ACM Transactions on Graphics (TOG)**, Volume 11 Issue 4

Full text available: pdf(9.55 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

This article discusses and applies the Kubelka-Munk theory of pigment mixing to computer graphics in order to facilitate improved image synthesis. The theories of additive and subtractive color mixing are discussed and are shown to be insufficient for pigmented materials. The Kubelka–Munk theory of pigment mixing is developed and the relevant equations are derived. Pigment mixing experiments are performed and the results are displayed on color television monitors. A paint program that ...

Keywords: color matching, color science, color selection, illumination modeling, pigment mixing

171 A general approach to connected-component labeling for arbitrary image representations
Michael B. Dillencourt, Hannan Samet, Markku Tamminen
April 1992 **Journal of the ACM (JACM)**, Volume 39 Issue 2

Full text available: pdf(1.91 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

An improved and general approach to connected-component labeling of images is presented. The algorithm presented in this paper processes images in predetermined

order, which means that the processing order depends only on the image representation scheme and not on specific properties of the image. The algorithm handles a wide variety of image representation schemes (rasters, run lengths, quadrees, bintrees, etc.). How to adapt the standard UNION-FIND algorithm to permit reu ...

172 Computational strategies for object recognition

Paul Suetens, Pascal Fua, Andrew J. Hanson

March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Full text available: pdf(6.37 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

173 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available: pdf(7.38 MB)   Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

174 Analysis of a biologically motivated neural network for character recognition

M. D. Garris, R. A. Wilkinson, C. L. Wilson

May 1991 **Proceedings of the conference on Analysis of neural network applications**

Full text available: pdf(1.56 MB)   Additional Information: full citation, references, index terms

175 Combining the concepts of compression and caching for a two-level filesystem

Vincent Cate, Thomas Gross

April 1991 **Proceedings of the fourth international conference on Architectural support for programming languages and operating systems**, Volume 19 , 25 , 26 Issue 2 , Special Issue , 4

Full text available: pdf(1.10 MB)   Additional Information: full citation, references, citings, index terms

176 A simple method for improved color printing of monitor images

Michael G. Lamming, Warren L. Rhodes

October 1990 **ACM Transactions on Graphics (TOG)**, Volume 9 Issue 4

Full text available: pdf(6.44 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

To print image data optimized for display on a color monitor, the red, green, and blue values that drive the display must be transformed into data that control the amounts of cyan, magenta, yellow, and black on the print. The differences in the way display and print images are produced have important consequences for the transformation. Matching the appearance of the monitor and print images may be impossible, and achieving satisfactory

results is complex. A method for obtaining pleasing pr ...

177 The use of multimethods and method combination in a CLOS based window interface ▬
H. Muller, J. Rose, J. Kempf, T. Stansbury
September 1989 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications**, Volume 24 Issue 10
Full text available: pdf(1.35 MB)   Additional Information: full citation, abstract, references, index terms

Solo is a portable window interface written in the Common Lisp Object System (CLOS) object-oriented programming language. Solo provides a virtual window machine which is targeted to a host window system by implementing a set of host window system specific classes and methods for Solo's host window system driver protocol. The interface presented by Solo to an application insulates it from differences in the host window system, facilitating application portability. Solo distinguishes itself f ...

178 Query processing in a multimedia document system ▬
Elisa Bertino, Fausto Rabbiti, Simon Gibbs
January 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 1
Full text available: pdf(2.94 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Query processing in a multimedia document system is described. Multimedia documents are information objects containing formatted data, text, image, graphics, and voice. The query language is based on a conceptual document model that allows the users to formulate queries on both document content and structure. The architecture of the system is outlined, with focus on the storage organization in which both optical and magnetic devices can coexist. Query processing and the different strategies ...

179 Scan line array processors for image computation ▬
A. L. Fisher
June 1986 **ACM SIGARCH Computer Architecture News , Proceedings of the 13th annual international symposium on Computer architecture**, Volume 14 Issue 2
Full text available: pdf(679.03 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes the scan line array processor (SLAP), a new architecture designed for high-performance yet low-cost image computation. A SLAP is a SIMD linear array of processors, and hence is easy to build and scales well with VLSI technology; yet appropriate special features and programming techniques make it efficient for a surprisingly wide variety of low and medium level computer vision tasks. We describe the basic SLAP concept and some of its variants, discuss a particular planne ...

180 TID—a translation invariant data structure for storing images ▬
David S. Scott, S. Sitharama Iyengar
May 1986 **Communications of the ACM**, Volume 29 Issue 5
Full text available: pdf(1.17 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

There are a number of techniques for representing pictorial information, among them are borders, arrays, and skeletons. Quadtrees are often used to store black and white picture information. A variety of techniques have been suggested for improving quadtrees, including linear quadtrees, QMATs (quadtree medial axis transform), forests of quadtrees, etc. The major purpose of these improvements is to reduce the storage required without greatly increasing the processing costs. All of these meth ...